

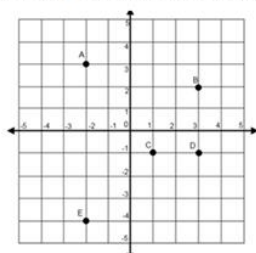
Name: _____

Domain and Range (1.1.1 to 1.1.4 Quiz Review)

SHOW ALL WORK ON A SEPARATE SHEET!

Identify the domain and range of each graph.

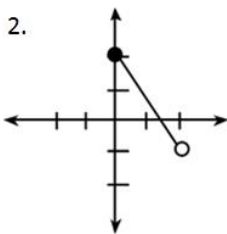
1.



D: _____

R: _____

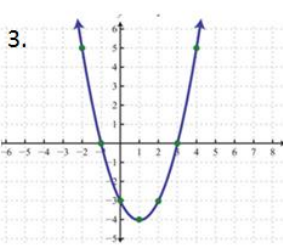
2.



D: _____

R: _____

3.



D: _____

R: _____

4. If $f(x) = 3 - x^2$, calculate $f(5)$ _____

5. If $g(x) = 5 - 3x^2$, calculate $g(-2)$ _____

6. If $f(x) = \frac{x+3}{2x-5}$, calculate $f(2)$ and $f(2.5)$ _____

7. If $f(x) = x^2 + 5x + 6$, solve $f(x) = 0$ _____

8. If $g(x) = 3(x-5)^2$, solve $g(x) = 27$ _____

9. If $f(x) = (x+2)^2$, solve $f(x) = 27$ _____

10. For each function below, give the domain and range. Then calculate $f(2)$ and $f(x)=3$.

a. $f(x) = |x - 1| - 2$

D: _____

R: _____

$f(2) =$ _____

$f(x)=3$ $x =$ _____

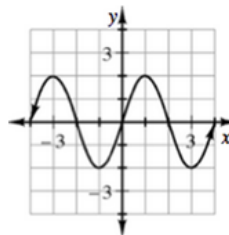
b. $f(x)$ is given by the graph

D: _____

R: _____

$f(2) =$ _____

$f(x)=3$ $x =$ _____



c. $f(x) = \sqrt{x+3}$

D: _____

R: _____

$f(2) =$ _____

$f(x)=3$ $x =$ _____

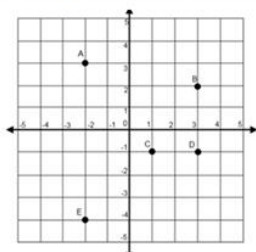
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Domain and Range (1.1.1 to 1.1.4 Quiz Review)

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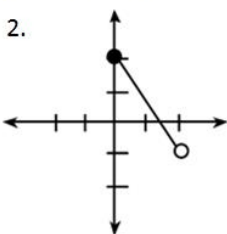
1.



D: _____

R: _____

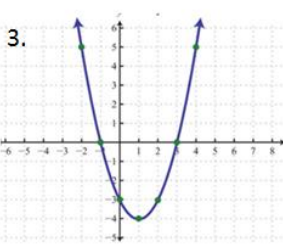
2.



D: _____

R: _____

3.



D: _____

R: _____

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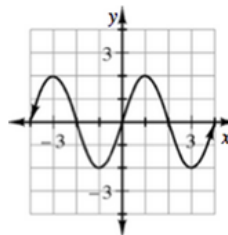
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R: _____

$f(2) =$ _____

$f(x)=3$ $x =$ _____



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D: _____

R: _____

$f(2) =$ _____

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